

Nu-Metrics Traffic Analyzer Study
Computer Generated Summary
Report
City: 75 ft.. N from raised crosswalk
Street: Keith Ave. # 4 Red

A study of vehicle traffic was conducted with HI-STAR unit number 1030. The study was done in the South Bound lane on Keith Ave. using counter # 4 Red as shown on attached drawing. The counter was placed 75 ft. North from the raised crosswalk. The study began on 01/20/2004 at 12:00 PM and concluded on 01/23/2004 at 12:00 PM, lasting a total of 72 hours. Data was recorded in 60 minute time periods. The total recorded volume of traffic showed 2,008 vehicles passed through the location with a peak volume of 74 on 01/21/2004 at 09:00 AM and a minimum volume of 0 on 01/21/2004 at 12:00 AM. The AADT Count for this study was 669.

SPEED

Chart 1 lists the values of the speed bins and the total traffic volume for each bin.

Chart 1							
0 to 9	10 to 14	15 to 19	20 to 24	25 to 29	30 to 34	35 to 39	40 >
0	32	256	1014	452	68	15	19

At least half of the vehicles were traveling in the 20 - 24 mph range or a lower speed. The average speed for all classified vehicles was 23 mph with 29.8 percent exceeding the posted speed of 25 mph. The HI-STAR found 1.83 percent of the total vehicles were traveling in excess of 35 mph. The mode speed for this study was 20 mph and the 85th percentile was 28.05 mph.

CLASSIFICATION

Chart 2 lists the values of the eight classification bins and the total traffic volume accumulated for each bin.

Chart 2							
0 to 20	21 to 27	28 to 39	40 to 49	50 to 59	60 to 69	70 to 79	80 >
1763	71	14	7	0	0	0	1

Most of the vehicles classified during the study were Passenger Cars. The number of Passenger Cars in the study was 1,834 which represents 98.80 percent of the total classified vehicles. The number of Small Trucks in the study was 14 which represents 0.80 percent of the total classified vehicles. The number of Trucks/Buses in the study was 7 which represents 0.40 percent of the total classified vehicles. The number of Tractor Trailers in the study was 1 which represents 0.10 percent of the total classified vehicles.

HEADWAY

During the peak time period, on 01/21/2004 at 09:00 AM the average headway between the vehicles was 48.0 seconds. The slowest traffic period was on 01/21/2004 at 12:00 AM. During this slowest

period, the average headway was 3600.0 seconds.

WEATHER

The roadway surface temperature over the period of the study varied between 21 and 42 degrees Fahrenheit. The HI-STAR determined that the roadway surface was Dry 98.61 percent of the time.